

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1-39. (Canceled)

40. (Currently Amended) A light emitting device comprising:
an electroluminescent element using a luminescent material in which
electroluminescence is obtained by triplet excitation; and
a transistor electrically connected to the electroluminescent element; [[,]]
a driver circuit configured to apply wherein digital signals are applied to a gate
electrode of the transistor: [[,]] and
a power source electrically connected to the electroluminescent element via the
transistor, configured to apply wherein an operation voltage of the electroluminescent element
which is 10 V or less.

41. (Previously Presented) A device according to claim 40, wherein the transistor is a
thin film transistor.

42. (Previously Presented) An electrical appliance using the light emitting device
according to claim 40.

43. (Previously Presented) A portable telephone using the light emitting device
according to claim 40.

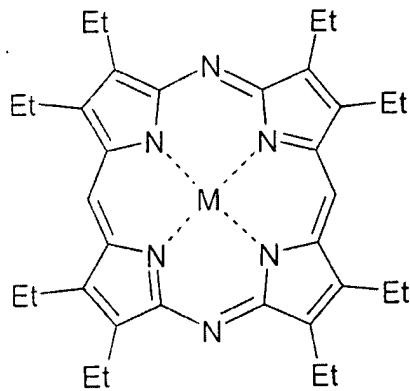
44. (Previously Presented) A digital camera using the light emitting device according
to claim 40.

45. (Previously Presented) An audio equipment using the light emitting device according to claim 40.

46. (Previously Presented) A wireless portable equipment using the light emitting device according to claim 40.

47. (Currently Amended) A light emitting device comprising:
a transistor; and
an electroluminescent element electrically connected to the transistor; ~~[[,]]~~
a driver circuit configured to apply digital signals to a gate electrode of the transistor;
and
a power source electrically connected to the electroluminescent element via the
transistor, configured to apply an operation voltage of the electroluminescent element which is
10 V or less,

wherein the electroluminescent element includes a thin film including a luminescent material expressed by a following formula:



, and

wherein Et represents ethyl group[[;]] and M represents an element belonging to group 8 to 10 of a periodic table;

wherein digital signals are applied to a gate electrode of the transistor; and

wherein an operation voltage of the electroluminescent element is 10 V or less.

48. (Previously Presented) A device according to claim 47, wherein said M is an element selected from the group consisting of nickel, cobalt and palladium.

49. (Previously Presented) A device according to claim 47, wherein the transistor is a thin film transistor.

50. (Previously Presented) An electrical appliance using the light emitting device according to claim 47.

51. (Previously Presented) A portable telephone using the light emitting device according to claim 47.

52. (Previously Presented) A digital camera using the light emitting device according to claim 47.

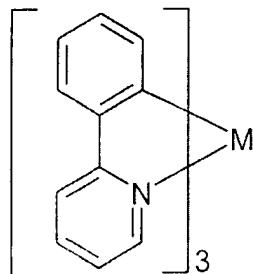
53. (Previously Presented) An audio equipment using the light emitting device according to claim 47.

54. (Previously Presented) A wireless portable equipment using the light emitting device according to claim 47.

55. (Currently Amended) A light emitting device comprising:
a transistor; and
an electroluminescent element electrically connected to the transistor; [,]
a driver circuit configured to apply digital signals to a gate electrode of the transistor;
and

a power source electrically connected to the electroluminescent element via the transistor, configured to apply an operation voltage of the electroluminescent element which is 10 V or less,

wherein the electroluminescent element includes a thin film including a luminescent material expressed by a following formula:



, and

wherein M represents an element belonging to group 8 to 10 of the periodic table;
~~wherein digital signals are applied to a gate electrode of the transistor, and~~
~~wherein an operation voltage of the electroluminescent element is 10 V or less.~~

56. (Previously Presented) A device according to claim 55, wherein said M is an element selected from the group consisting of nickel, cobalt and palladium.

57. (Previously Presented) A device according to claim 55, wherein the transistor is a thin film transistor.

58. (Previously Presented) An electrical appliance using the light emitting device according to claim 55.

59. (Previously Presented) A portable telephone using the light emitting device according to claim 55.

60. (Previously Presented) A digital camera using the light emitting device according to claim 55.

61. (Previously Presented) An audio equipment using the light emitting device according to claim 55.

62. (Previously Presented) A wireless portable equipment using the light emitting device according to claim 55.

63. (Previously Presented) A light emitting device according to claim 40, wherein the semiconductor component is operated by time division driving method.

64. (Previously Presented) A light emitting device according to claim 47, wherein the semiconductor component is operated by time division driving method.

65. (Previously Presented) A light emitting device according to claim 55, wherein the semiconductor component is operated by time division driving method.

66. (Currently Amended) A light emitting device comprising:
an electroluminescent element comprising:
a first electrode;
a second electrode; and
a luminescent material interposed between the first electrode and the second electrode; and
a transistor having a source region, a drain region and a gate electrode; [[,]]
a driver circuit configured to apply digital signals to the gate electrode of the transistor; and

a power source electrically connected to the first electrode via the transistor,
configured to apply an operation voltage of the electroluminescent element which is 10 V or less,
wherein any one of the source region and the drain region is electrically connected to
the first electrode, and
~~wherein digital signals are applied to the gate electrode,~~
wherein, in the luminescent material, electroluminescence is obtained by triplet
excitation, and
~~wherein an operation voltage of the electroluminescent element is 10 V or less.~~

67. (Previously Presented) A device according to claim 66, wherein the transistor is a
thin film transistor.

68. (Previously Presented) An electrical appliance using the light emitting device
according to claim 66.

69. (Previously Presented) A portable telephone using the light emitting device
according to claim 66.

70. (Previously Presented) A digital camera using the light emitting device according
to claim 66.

71. (Previously Presented) An audio equipment using the light emitting device
according to claim 66.

72. (Previously Presented) A wireless portable equipment using the light emitting
device according to claim 66.

73. (Currently Amended) A light emitting device comprising:

an electroluminescent element comprising:

- a first electrode;
- a second electrode; and
- a luminescent material interposed between the first electrode and the second electrode; ~~and~~

~~a transistor having a source region, a drain region and a gate electrode; [.,]~~

a driver circuit configured to apply digital signals to the gate electrode of the transistor; and

a power source electrically connected to the first electrode via the transistor,
configured to apply an operation voltage of the electroluminescent element which is 10 V or less,

wherein the transistor is a p-channel transistor,

wherein any one of the source region and the drain region is electrically connected to the first electrode, and

~~wherein digital signals are applied to the gate electrode,~~

wherein, in the luminescent material, electroluminescence is obtained by triplet excitation; and

~~wherein an operation voltage of the electroluminescent element is 10 V or less.~~

74. (Previously Presented) A device according to claim 73,
wherein the first electrode is an anode, and
wherein the second electrode is a cathode.

75. (Previously Presented) A device according to claim 73, wherein the transistor is a thin film transistor.

76. (Previously Presented) An electrical appliance using the light emitting device according to claim 73.

77. (Previously Presented) A portable telephone using the light emitting device according to claim 73.

78. (Previously Presented) A digital camera using the light emitting device according to claim 73.

79. (Previously Presented) An audio equipment using the light emitting device according to claim 73.

80. (Previously Presented) A wireless portable equipment using the light emitting device according to claim 73.

81. (Currently Amended) A light emitting device comprising:
an electroluminescent element comprising:
an anode;
a cathode; and
a luminescent material interposed between the anode and the cathode; and
a transistor having a source region, a drain region and a gate electrode; [[,]]
a driver circuit configured to apply digital signals to the gate electrode of the
transistor; and

a power source electrically connected to the anode via the transistor, configured to
apply an operation voltage of the electroluminescent element which is 10 V or less,

wherein any one of the source region and the drain region is electrically connected to the anode, and

~~wherein digital signals are applied to the gate electrode,~~
wherein, in the luminescent material, electroluminescence is obtained by triplet excitation, and
wherein an operation voltage of the electroluminescent element is 10 V or less.

82. (Previously Presented) A device according to claim 81, wherein the transistor is a p-channel transistor.

83. (Previously Presented) A device according to claim 81, wherein the transistor is a thin film transistor.

84. (Previously Presented) An electrical appliance using the light emitting device according to claim 81.

85. (Previously Presented) A portable telephone using the light emitting device according to claim 81.

86. (Previously Presented) A digital camera using the light emitting device according to claim 81.

87. (Previously Presented) An audio equipment using the light emitting device according to claim 81.

88. (Previously Presented) A wireless portable equipment using the light emitting device according to claim 81.

89. (Currently Amended) A light emitting device comprising:
an electroluminescent element comprising:
a first electrode;
a second electrode; and
a luminescent material interposed between the first electrode and the second electrode; and

a transistor having a source region, a drain region and a gate electrode; [[,]]
a driver circuit configured to apply digital signals to the gate electrode of the
transistor; and
a power source electrically connected to the first electrode via the transistor,
configured to apply an operation voltage of the electroluminescent element which is 10 V or less,
wherein an LDD region is not particularly provided between the source region and the
drain region,
wherein any one of the source region and the drain region is electrically connected to
the first electrode, and
~~wherein digital signals are applied to the gate electrode,~~
wherein, in the luminescent material, electroluminescence is obtained by triplet
excitation, and
~~wherein an operation voltage of the electroluminescent element is 10 V or less.~~

90. (Previously Presented) A device according to claim 89, wherein the transistor is a thin film transistor.

91. (Previously Presented) An electrical appliance using the light emitting device according to claim 89.

92. (Previously Presented) A portable telephone using the light emitting device according to claim 89.

93. (Previously Presented) A digital camera using the light emitting device according to claim 89.

94. (Previously Presented) An audio equipment using the light emitting device according to claim 89.

95. (Previously Presented) A wireless portable equipment using the light emitting device according to claim 89.

96. (Currently Amended) The light emitting device according to claim 40, wherein the power source is configured to apply an operation voltage of the electroluminescent element which is 7.5 V or less.

97. (Currently Amended) The light emitting device according to claim 40, wherein the power source is configured to apply an operation voltage of the electroluminescent element which is 5 V or less.

98. (Currently Amended) The light emitting device according to claim 47, wherein the power source is configured to apply an operation voltage of the electroluminescent element which is 7.5 V or less.

99. (Currently Amended) The light emitting device according to claim 47, wherein the power source is configured to apply an operation voltage of the electroluminescent element which is 5 V or less.

100. (Currently Amended) The light emitting device according to claim 55, wherein the power source is configured to apply an operation voltage of the electroluminescent element which is 7.5 V or less.

101. (Currently Amended) The light emitting device according to claim 55, wherein the power source is configured to apply an operation voltage of the electroluminescent element which is 5 V or less.

102. (Currently Amended) The light emitting device according to claim 66, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 7.5 V or less.

103. (Currently Amended) The light emitting device according to claim 66, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 5 V or less.

104. (Currently Amended) The light emitting device according to claim 73, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 7.5 V or less.

105. (Currently Amended) The light emitting device according to claim 73, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 5 V or less.

106. (Currently Amended) The light emitting device according to claim 81, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 7.5 V or less.

107. (Currently Amended) The light emitting device according to claim 81, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 5 V or less.

108. (Currently Amended) The light emitting device according to claim 89, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 7.5 V or less.

109. (Currently Amended) The light emitting device according to claim 89, wherein
the power source is configured to apply an operation voltage of the electroluminescent element
which is 5 V or less.